



STEREO

Science Working Group

(Telecon) No. 23

2012 March 29



Agenda update (if needed)



Outline

- News and upcoming events
- Science news stories
- Financial status (NASA)
- Senior review



News and upcoming events

- Senior review in 2013
 - ▶ See last section of this presentation
- STEREO publication database live!
 - ▶ http://stereo-lit.nascom.nasa.gov/cgi-bin/bib_ui .
- As all of the ops folks know by now, we have a new Mission Director at Goddard, David Quinn



STEREO Science News Stories

- National Geographic magazine article (STEREO, SDO) on space weather upcoming
- “Space storm tracked from Sun to earth” - Craig DeForest’s rescaling, combining of SECCHI imagery
- Second fiddle to SDO in coverage of 2011 June 7 eruption
- Using H α s to discover new eclipsing binary stars (Bewsher talk at RAS national meeting, 2011•04)
- “Biggest NASA accomplishment” of 2011: STEREO full-Sun coverage



STEREO Science News (II)

- The really good news
 - ▶ We have excellent support within NASA
 - Outstanding heliophysics science writers
 - Amazing visualization producers
 - Distribution to currently popular channels (e.g. YouTube, Twitter)
 - Ardent interest at NASA HQ PAO (“We want to be the first to break any solar storm story.”)
 - Really good material provided by panelists for the Sun 360 event



Financial status (I)

- NASA actually had a budget authorization bill *before* the beginning of the US fiscal year (2011 October 1)
 - ▶ First time in... well, since any of us can remember
 - ▶ Through March 26 (midway in FY), we had received ~ 80% of our budget (not including APL share) for the year (vs. 37% last year at this time)
- Outlook
 - ▶ As I suspect Jeffery will have addressed, MO&DA sees a long dip in FY14 - 17
 - ▶ Will find out what this means for the missions in the charge to the Senior Review



Financial status (II)

- Normalized funding available for “data analysis” (PI teams, SSC, NASA Co-I’s)

Year	FY11	FY12	FY13
Absolute \$	1.0	0.986	0.929
With inflation (projected)	1.0	0.957	0.876

- Assumes inflation remains at 2012 Q1 rate of 2.9%



Senior Review (I)

- ▶ Delta-t this time has been three years, which is good:
 - Relatively well-determined budget for three years
 - More science to report in the proposal
 - More time for the project scientist to recover from stress-induced psychosis (really, I'm in recovery)

- ▶ Downsides
 - We might forget some of the good papers we published in 2009
 - Some of the people who wrote them might not even work on STEREO any longer
 - Budget bogeys will be determined in a resource-poor year



Senior Review (II)

- To write a compelling proposal, we need:
 - ▶ a good summary of the most compelling science we published over the last three years
 - ▶ a good *scientific* case for extending the mission
 - ▶ a good *heliophysics system science* case for the extension
 - ▶ a clear case that every \$ in the budget will be used to maximize the return along those two, hopefully not at all orthogonal axes



Senior Review (III)

- So if I had my druthers, I would like:
 - ▶ Each PI to designate a team leader for the proposal writing effort
 - Collect science input (nagging)
 - Standardize text and figures (legible labels and legends)
 - Be the POC to answer my dumb questions when I assimilate the four inputs
 - Update the team's bibliography entries (send input to Alex Young) on a monthly basis
 - ▶ Have team inputs in hand by the time the final call for proposals is issued (~ October)
 - Will give us time to review and comment on drafts without working over Xmas